

## Faculty Profile

**Name** Asst. Prof. Rachna A. Karnavat

**Designation** Assistant Professor

**Department** Information Technology

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### Educational Qualifications

Degree	University/Institution	Year of Passing
PhD. perusing	SPPU, VIIT	2023
M.TECH. (Computer Science and Information Technology-CSEIT)	SPPU, VIT, PUNE	2013
B.E. (Computer Science Engg.)	Amaravati University , Pusad	2003

### Professional Experience

Sr. No.	Designation & Institute	Duration
1	Assistant Professor, PICT Pune	2006 - Present
2	Lecturer, BNCPE-Yavatmal	2004-2005

### Research Publications

Sr. No.	Title	Publication / Conference / Journal (Year)
1	Hearing Beyond Sight: Image Captioning and Translation with Speech Synthesis for the Visually Impaired	Asia Pacific Conference on Innovation in Technology (APCIT), Mysore (2024)
2	Streamlining Job Search and Detecting Fraudulent Job Listing	8th International Conference on Computing, Communication, Control and Automation (2024)
3	Context-Based Crime Detection: A Framework Integrating Computer Vision Technologies	MIT ADT School of Computing International Conference (2024)
4	Online Proctoring System: A Client Side Approach Using Deep Learning	Authorea Preprints (2024)
5	Stroktor – A System to Predict Ischemic Brain Stroke Using Learning Techniques	3rd International Conference on Intelligent Technologies (CONIT), Hubli (2023)
6	Graph-Based Transductive Label Propagation Approach for Multi-label Classification	ICT4SD 2021, ICT Systems and Sustainability – Volume 1 (2022)

7	Messaging and Video Calling Application for Specially Abled People Using Hand Gesture Recognition	6th International Conference for Convergence in Technology (I2CT) (2021)
8	Object Detection and Data Classification with Deep Learning Models Using TensorFlow	Journal of Critical Reviews (J Crit Rev) 7(4) (2020)
9	Containers On Cloud for Machine Learning Applications	(2017)
10	A Survey of GPU Based Back Propagation Algorithm	IJIACS, ISSN 2347-8616, Vol. 6 (10) (2017)
11	Wireless Affective Brain Computer Interface Based Emotion Assessment Model	International Journal of Computer Applications (2017)
12	Logo Based Android Turtle Application	2nd National Conference on Advancements in the Era of Multi-disciplinary Research (2013)
13	Neighborhood Density Based Clustering with Agglomerative Fuzzy K-means Clustering Algorithm	CiiT International Journal of Data Mining and Knowledge Engineering (2013)
14	An In-depth Exploration of Human Pose Estimation	PIJET 2024

#### Books Published

Sr. No.	Title	Publisher & Year
Nil	Nil	Nil

#### Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
1	03/03	2024-25
2	03/04	2023-24
3	02/05	2022-23

#### Awards & Recognitions

Sr. No.	Award/Recognition	Year
1	Certified faculty by IUCEE ENGINEERING EDUCATION RESEARCH	2025
2	Reviewer at <b>International Journal of Information and Education Technology</b> Singapore (IJIET)	2023,2024
3	Best Paper award at IEEE conference ,PUNE	2024
4	Second Prize – Youth Festival (Folk Dance)	2000
5	Scholarship Award – Std. 7	1990
6	Scholarship Award – Std. 4	1987

#### Areas of Interest

Sr. No.	Area
1	Computer Vision
2	Artificial Intelligence & Machine Learning
3	Cloud Computing
4	Operating System,UNIX
5	C++,Java,OOP..

